

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/22/99

Date Received: 07/01/99

Project: Metro Self Monitor, PO# M62227

Date Samples Extracted: 07/20/99

Date Extracts Analyzed: 07/20/99

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR CHROMIUM, COPPER, NICKEL, ZINC
USING METHOD 6010**

Samples Processed Using Method 3005A

Results Reported as mg/L (ppm)

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M62227	0.46	0.44	0.49	0.06
Method Blank	<0.05	<0.05	<0.05	<0.05

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**QUALITY ASSURANCE RESULTS
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Laboratory Code: 907005-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.46	0.54	16	0-20
Copper	mg/L (ppm)	0.44	0.42	5	0-20
Nickel	mg/L (ppm)	0.49	0.55	12	0-20
Zinc	mg/L (ppm)	0.06	0.08	29a	0-20

Laboratory Code: (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	0.46	84	88	80-120	5
Copper	mg/L (ppm)	5	0.44	81	89	80-120	9
Nickel	mg/L (ppm)	10	0.49	89	86	80-120	3
Zinc	mg/L (ppm)	5	0.06	86	90	80-120	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	109	102	80-120	7
Copper	mg/L (ppm)	5	114	102	80-120	11
Nickel	mg/L (ppm)	10	106	106	80-120	0
Zinc	mg/L (ppm)	5	108	102	80-120	6

a - The analyte was detected at a level less than five times the detection limit. The RPD results may not provide reliable information on the variability of the analysis.

907005

mm. 7.1.99 A.I.

Send Report To:

Contact Gerald Thompson

City, State, Zip Sattle WA 98134

Phone # (206) 382-8379

FAX # 206 - 382 - 4509

Date 7-1-29

PROJECT NAME

7238

metno Self monitor

14 62227

PROJECT LOCATION

5200 6th Ave S,

SAMPLE DISPOSAL INFORMATION



Call for Instructions

Date/Time
Sampled

Type of Sample

of
Jars

Lab
Sample #

Analyses Requested

m62227

7/55 1:20

 H_2O

7

21

Requested
CR Cw Wi ZW

PRINT NAME

COMPANY

Date _____

Time

Relinquished by:

Gerald A. Thompson

Alen

7/1/88

1.37

Received by:

MANUEL MARTIN

FBI

7/1/99

1:3:7

Relinquished by:

Received by:

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

July 22, 1999

DUPLICATE COPY

INVOICE #99ACU0722-3

Accounts Payable
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M62227: Results of testing requested
by Gerry Thompson for material submitted on July 1, 1999.

1 water sample analyzed for
Chromium, Copper, Nickel, and Zinc
using Method 6010 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID (b) (6)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
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July 22, 1999

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134

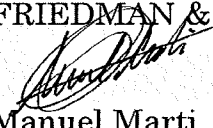
Dear Mr. Thompson:

Included are the results from the testing of material submitted on July 1, 1999 from your Metro Self Monitor, PO# M62227 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Manuel Marti
Project Manager

Enclosures
ACU0722R.DOC